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Titolo	Advances in Automation : Proceedings of the International Russian Automation Conference, RusAutoCon 2019, September 8-14, 2019, Sochi, Russia // edited by Andrey A. Radionov, Alexander S. Karandaev
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Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XVII, 1205 p. 603 illus.)
Collana	Lecture Notes in Electrical Engineering, , 1876-1100 ; ; 641
Disciplina	670.427 629.8
Soggetti	Electrical engineering Control engineering Manufactures Power electronics Communications Engineering, Networks Control and Systems Theory Manufacturing, Machines, Tools, Processes Power Electronics, Electrical Machines and Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Identification of engineering thermal physics objects based on inverse heat conduction problems solving by using parametric optimization methods -- Wireless telemetry system for gas production -- Control of linear servo pneumatic drive based on fuzzy controller and knowledge base -- Method for controlling tracking actuator -- Method for composition of two, three and more multistructural petri nets into single equivalent control model of technological process -- Control system of tension device in winding fabrics from composite materials.
Sommario/riassunto	This book reports on innovative research and developments in automation. The chapters spans a wide range of disciplines, including communication engineering, power engineering, control engineering, instrumentation, signal processing and cybersecurity. Emphasis is given to methods and findings aimed at fostering better control and

monitoring of industrial and manufacturing processes, and improving safety. Based on the International Russian Automation Conference, held in September 8-14, 2019, in Sochi, Russia, the book provides academics and professionals with a timely overview and extensive information on the state of the art in the field of automation and control systems, and is expected to foster new ideas, as well as collaboration between different groups in different countries. .
